



Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An ink-jet head comprising:
a passage unit that has a plurality of pressure chambers and a plurality of nozzles communicating with the respective pressure chambers,
an actuator unit that is adhered to the passage unit and changes the volume of the pressure chambers to thereby eject ink through the nozzles, and
a cable member that supplies a drive signal to the actuator unit;
wherein the actuator unit includes:
a piezoelectric element sandwiched by a common electrode and a plurality of surface electrodes, the plurality of surface electrodes being formed on the piezoelectric element at positions corresponding to the respective pressure chambers,
a plurality of first lands formed on the piezoelectric element to be connected to the respective surface electrodes, the first lands having a higher height from a surface of the piezoelectric element than that of the surface electrodes and being connected to the cable member, and
a plurality of second lands formed on the piezoelectric element to be spaced from the respective surface electrodes, the second lands having substantially the same height from the surface of the piezoelectric element as that of the first lands.
2. (Original) The ink-jet head according to claim 1, wherein each of the surface electrodes is provided with a corresponding one of the first lands and a corresponding one of the second lands that make a pair and are positioned symmetrically with respect to a center of a corresponding one of the pressure chambers.

3. (Original) The ink-jet head according to claim 2, wherein:
the plurality of pressure chambers are formed adjacently to each other on a surface of the passage unit; and
each of the surface electrodes is surrounded with the corresponding first and second lands in a pair, and is also surrounded with one of a first land and a second land in a pair corresponding to at least one surface electrode adjacent to the surface electrode.
4. (Original) The ink-jet head according to claim 3, wherein the surface electrode is surrounded with two or more first lands and two or more second lands that are positioned symmetrically with respect to the center of the corresponding pressure chamber.
5. (Original) The ink-jet head according to claim 4, wherein:
the pressure chambers have a quadrilateral shape; and
the surface electrode is surrounded with three first lands and three second lands that are arranged in a hexagonal formation.
6. (Original) The ink-jet head according to claim 5, wherein:
the pressure chambers have a rhombic shape; and
the surface electrode is surrounded with the three first lands and the three second lands that are arranged in a regular-hexagonal formation.
7. (Original) The ink-jet head according to claim 1, wherein each of the surface electrodes is surrounded with two or more first lands and two or more second lands that are positioned symmetrically with respect to a center of a corresponding one of the pressure chambers.
8. (Original) The ink-jet head according to claim 1, wherein both the first and second lands have substantially the same circular shape having substantially the same diameter.

9. (Original) The ink-jet head according to claim 1, wherein each of the surface electrodes has a main electrode portion opposing a corresponding one of the pressure chambers and a connecting portion connected to a corresponding one of the first lands, the main electrode having a planar shape similar to that of the corresponding pressure chamber.

10. (Original) The ink-jet head according to claim 1, wherein the common electrode is kept at a constant potential and is formed to span the plurality of pressure chambers, the common electrode being disposed nearer to the pressure chambers than the surface electrode.

11. (Original) The ink-jet head according to claim 1, wherein the cable member is a flexible flat cable that has a wiring pattern and terminals formed thereon, the flexible flat cable being connected to the actuator unit, and the plurality of first lands being connected to the respective terminals of the flexible flat cable.

12. (Original) The ink-jet head according to claim 1, wherein the plurality of pressure chambers are arranged in a matrix on a surface of the passage unit.

13. (Original) The ink-jet head according to claim 1, wherein the passage unit has a plurality of wall portions that separate the pressure chambers from each other, and the first lands and the second lands formed on the piezoelectric element are opposed to the wall portions.

14. (Original) The ink-jet head according to claim 1, wherein the second lands are connected to the cable member.

15. (Original) An ink-jet head comprising:
a passage unit that has a plurality of pressure chambers, a plurality of nozzles communicating with the respective pressure chambers, and a plurality of wall portions separating the pressure chambers from each other,

an actuator unit that is adhered to the passage unit and changes the volume of the pressure chambers to thereby eject ink through the nozzles, and

a flexible flat cable that has a wiring pattern and terminals formed thereon, and is connected to the actuator unit to supply a drive signal to the actuator unit;

wherein the actuator unit includes:

a piezoelectric element disposed on the passage unit so as to span the plurality of pressure chambers,

a plurality of surface electrodes formed on the piezoelectric element, each of which has a main electrode portion opposing a corresponding one of the pressure chambers and a connecting portion extending from a corresponding one of the main electrode portions to oppose a corresponding one of the wall portions,

a common electrode kept at a constant potential and formed to span the plurality of pressure chambers, the common electrode being disposed nearer to the pressure chambers than the surface electrodes with the piezoelectric element sandwiched between the common electrode and the surface electrodes, and

a first land and a second land that make a pair for each of the surface electrodes and are positioned on the piezoelectric element symmetrically with respect to a center of a corresponding one of the pressure chambers, both the first land and the second land opposing the wall portions and having substantially the same height, from a surface of the piezoelectric element, higher than that of the surface electrodes; and

wherein the first land is connected to the connecting portion of a corresponding one of the surface electrodes and connected to a corresponding one of the terminals of the flexible flat cable, and the second land is spaced from the corresponding surface electrode.

16-17. (Cancelled).